

Dr. Jack Zhou has been teaching and conducting basic and applied research in design and manufacturing, precision instrumentation and metrology for many years. His recent research is in biomedical design and manufacturing, especially in tissue and surgical engineering. He invented several new machines and technologies for microstructures, bone scaffolds and soft-tissue fabrications. He has developed a new research field Bio-Micro-Nano Design and Manufacturing for Tissue and Surgical Engineering, published more than 100 journal and peer reviewed conference papers, and 5 patents, and organized various conferences/symposiums nationally and internationally. He has received more than 25 grants from government, industry and research institutions, and advised 30 Ph.D. & Master students and post doctors. He is a fellow of ASME, and received many awards from various societies, organizations, and institutes. He received his B.S. and M.S. degrees from Xi'an Jiaotong University, China and Ph.D. degree from NJIT, USA. Currently he is an associate professor in the Department of Mechanical Engineering and Mechanics at Drexel University.

Dr. MinJun Kim is presently an associate professor at Drexel University with a joint appointment in both the Department of Mechanical Engineering & Mechanics and the School of Biomedical Engineering, Science & Health System. He received his B.S. and M.S. degrees in Mechanical Engineering from Yonsei University in Korea and Texas A&M University, respectively. Dr. Kim completed his Ph.D. degree in Engineering at Brown University, where he held the prestigious Simon Ostrach Fellowship. Following his graduate studies, Dr. Kim was a postdoctoral research fellow at the Rowland Institute in Harvard University. For the past several years, Dr. Kim has been exploring biological transport phenomena including cellular/molecular mechanics and engineering in novel nano/microscale architectures to produce new types of nanobiotechnology, such as nanopore technology and nano/micro robotics. He was recently awarded the National Science Foundation CAREER Award (2008), Louis & Bessie Stein Fellowship (2008), Drexel Career Development Award (2008), Human Frontier Science Program Young Investigator Award (2009), and Army Research Office Young Investigator Award (2010).

Dr. Guoliang Yang is an Associate Professor of Physics at Drexel University. He received his Ph.D. in Molecular Science from Southern Illinois University at Carbondale in 1992. After postdoctoral research training at the University of Oregon and the University of California at Berkeley, he joined the Drexel faculty in 2000. Dr. Yang's research interest is on the investigation of the properties and function mechanisms of biological macromolecules using Atomic Force Microscopy and related single molecule manipulation techniques.

Dr. Sally Solomon received her undergraduate degree at Drexel and a Ph.D. in physical chemistry at the University of Pennsylvania. Dr. Solomon is now a full professor in the department of chemistry. Her research projects include the synthesis of noble metal nanoparticles as well as design of educational materials. She also directs a program called Science in Motion that delivers laboratory equipment to Philadelphia public schools.